DECLARTION AND POWER OF PTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

EXPRESSION OF ACTIVE HUMAN FACTOR IX IN MAMMARY TISSUE OF TRANSGENIC ANIMALS the specification of which is attached hereto unless the following box is checked:

\boxtimes	was filed on February 13, 1998	as United States Application Nu	mber or PCT International Applica-	tion Number PCT/US98/02638
	and was amended on	(if applicable	e).	

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

COUNTRY	DAY/MONTH/YEAR FILED	PRIORITY CLAIMED
	COUNTRY	COUNTRY DAY/MONTH/YEAR FILED

Thereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

APPLICATION NO.	FILING DATE
60/037,145	February 14, 1997
	:

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

APPLICATION SERIAL NO.	FILING DATE	STATUS: PATENTED, PENDING, ABANDONED

I hereby appoint as my attorneys, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Stephen A. Bent, Reg. No. 29,768; David A. Blumenthal, Reg. No. 26,257; Alan I. Cantor, Reg. No. 28,163; William T. Ellis, Reg. No. 26,874; John J. Feldhaus, Reg. No. 28,822; Patricia D. Granados, Reg. No. 33,683; John P. Isacson, Reg. No. 33,715; Michael D. Kaminski, Reg. No. 32,904; Kenneth E. Krosin, Reg. No. 25,735; Glenn Law, Reg No. 34,371; Eugene M. Lee, Reg. No. 32,039; Richard Linn, Reg. No. 25,144; Peter G. Mack, Reg. No. 26,001; Brian J. McNamara, Reg. No. 32,789; Sybil Meloy, Reg. No. 22,749; Richard C. Peet, Reg. No. 35,792; George E. Quillin, Reg. No. 32,792; Colin G. Sandercock, Reg. No. 31,298; Bernhard D. Saxe, Reg. No. 28,665; Charles F. Schill, Reg. No. 27,590; Richard L. Schwaab, Reg. No. 25,479; Arthur Schwartz, Reg. No. 22,115; Harold C. Wegner, Reg. No. 25,258.

Address all correspondence to FOLEY & LARDNER, 3000 K Street, N.W., Suite 500, Washington, DC 20007-5109. Address telephone communications to <u>Patricia D. Granados</u> at (202) 672-5300.

I hereby declare that all statements made herein of my own knowledge are true and that all seatements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First or Sole Inventor	Signature of First or	Sole Inventor	Date
William H. VELANDER			
			'
Residence Address	T Co	ountry of Citizensh	un l
Blacksburg, Virginia	l l	.S.A.	p
Biacksburg, Virginia	0	.b.A.	
Post Office Address			
3014 Lancaster Drive, Blacksburg, Virginia 24060			
		_	
Full Name of Second Inventor	Signature of Second	Inventor	Date
William N. DROHAN	1 -	^	
William IV. DROIMIV	William 1	Chelan	14/2/99
Residence Address		ountry of Citizensh	1/ ()
		S.A.	пр
Springfield, Virginia	$ v \rangle$.S.A.	
Post Office Address			
HS.			
8417 Oakford Drive, Springfield, Virginia 22152			
## Table 1			
Full Name of Third Inventor	Signature of Third In		Date
Henryk LUBON	Hours Thisin		8151191
·	Homes Thism		8151199
Henryk LUBON Residence Address	1 /	untry of Citizensh	l' '
·			l' '
Residence Address		untry of Citizensh	l' '
Residence Address		untry of Citizensh	l' '
Residence Address Rockville, Maryland Post Office Address		untry of Citizensh	l' '
Residence Address Rockville, Maryland		untry of Citizensh	l' '
Residence Address Rockville, Maryland Post Office Address		untry of Citizensh	l' '
Residence Address Rockville, Maryland Post Office Address 7416 Monona Terrace, Rockville, Maryland 20855	Co	untry of Citizensh oland	l' '
Residence Address Rockville, Maryland Post Office Address 7416 Monona Terrace, Rockville, Maryland 20855 Full Name of Fourth Inventor		untry of Citizensh oland	ip
Residence Address Rockville, Maryland Post Office Address 7416 Monona Terrace, Rockville, Maryland 20855 Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H.	Co	untry of Citizensh oland	ip
Residence Address Rockville, Maryland Post Office Address 7416 Monona Terrace, Rockville, Maryland 20855 Full Name of Fourth Inventor	Co	untry of Citizensh oland	ip
Residence Address Rockville, Maryland Post Office Address 7416 Monona Terrace, Rockville, Maryland 20855 Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H.	Signature of Fourth I	untry of Citizensh oland nventor	Date
Residence Address Rockville, Maryland Post Office Address 7416 Monona Terrace, Rockville, Maryland 20855 Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H. JOHNSON (legal representative of the inventor) Residence Address	Signature of Fourth I	untry of Citizensh oland nventor untry of Citizensh	Date
Residence Address Rockville, Maryland Post Office Address 7416 Monona Terrace, Rockville, Maryland 20855 Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H. JOHNSON (legal representative of the inventor)	Signature of Fourth I	untry of Citizensh oland nventor	Date
Residence Address Rockville, Maryland Post Office Address 7416 Monona Terrace, Rockville, Maryland 20855 Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H. JOHNSON (legal representative of the inventor) Residence Address Blacksburg, Virginia	Signature of Fourth I	untry of Citizensh oland nventor untry of Citizensh	Date
Residence Address Rockville, Maryland Post Office Address 7416 Monona Terrace, Rockville, Maryland 20855 Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H. JOHNSON (legal representative of the inventor) Residence Address Blacksburg, Virginia Post Office Address	Signature of Fourth I	untry of Citizensh oland nventor untry of Citizensh	Date
Residence Address Rockville, Maryland Post Office Address 7416 Monona Terrace, Rockville, Maryland 20855 Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H. JOHNSON (legal representative of the inventor) Residence Address Blacksburg, Virginia	Signature of Fourth I	untry of Citizensh oland nventor untry of Citizensh	Date

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First or Sole Inventor	Signature of Fir	st or Sole Inventor	Date
William H. VELANDER	0.8		Date
Residence Address		Country of Citizens	l hin
Blacksburg, Virginia		U.S.A.	mp
Bucksourg, virginia		0.5.A.	
Post Office Address			
3014 Lancaster Drive, Blacksburg, Virginia 24060			
3014 Lancaster Drive, Blacksburg, Virginia 24000			
	•		
Full Name of Second Inventor	Signature of Sec	ond Inventor	Date
William N. BROHAN	Digitature of Sec	ond inventor	Date
mulani IV. BROHAIV			
Residence Address		Country of Citi	<u>. · </u>
i		Country of Citizens	nip
Springfield, Virginia		U.S.A.	
Post Office Address		•	
8417 Oakford Drive, Springfield, Virginia 22152		-	
		•	
Full Name of Third Inventor	Signature of Thi	rd Inventor	Date
Henryk LUBON			·
			.
Residence Address		Country of Citizensh	nip
Rockville, Maryland	•	Poland	* 11
		I FOIGIG	11
ec:		Foluna	
Post Office Address	· · · · · · · · · · · · · · · · · · ·	Foluna	
	 	Fotana	
Post Office Address 7416 Monona Terrce, Rockville, Maryland 20855		Foluna	
		Foluna	
7416 Monona Terrce, Rockville, Maryland 20855	I Signature of Francisco		Data
7416 Monona Terrce, Rockville, Maryland 20855 Full Name of Fourth Inventor	Signature of Fou	orth Inventor	Date
7416 Monona Terrce, Rockville, Maryland 20855 Full Name of Fourth Inventor		orth Inventor	
7416 Monona Terrce, Rockville, Maryland 20855		orth Inventor	
Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H. JOHNSON (legal representative of the inventor)		irth Inventor	Sept. 6, 1999
7416 Monona Terrce, Rockville, Maryland 20855 Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H. JOHNSON (legal representative of the inventor) Residence Address		The Inventor M. J. Misser Country of Citizensh	Sept. 6, 1999
Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H. JOHNSON (legal representative of the inventor)		irth Inventor	Sept. 6, 1999
Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H. JOHNSON (legal representative of the inventor) Residence Address Blacksburg, Virginia		The Inventor M. J. Misser Country of Citizensh	Sept. 6, 1999
Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H. JOHNSON (legal representative of the inventor) Residence Address Blacksburg, Virginia Post Office Address	Mary Gr	The Inventor M. J. Misser Country of Citizensh	Sept. 6, 1999
Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H. JOHNSON (legal representative of the inventor) Residence Address Blacksburg, Virginia	Mary Gr	The Inventor M. J. Misser Country of Citizensh	Sept. 6, 1999

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First or Sole Inventor	Signature of Firs	t or Sole Inventor	Date
William H. VELANDER	1 Parl C	20 16/20	2
	(Milla)	4 Well	9-14-99
Residence Address		Country of Citizens	hip
Blacksburg, Virginia		U.S.A.	
Post Office Address	· 	<u> </u>	
3014 Lancaster Drive, Blacksburg, Virginia 24060			
<u> </u>			
Full Name of Second Inventor	Signature of Second	ond Inventor	Date
William N. BROHAN	1	*	1
·			
Residence Address		Country of Citizens	hip
Springfield, Virginia		U.S.A.	
<u></u>			
Post Office Address			
3417 Oakford Drive, Springfield, Virginia 22152			
Full Name of Third Inventor	Signature of This	d Inventor	Date
Full Name of Third Inventor Henryk LUBON	Signature of This	d Inventor	Date
Henryk LUBON	Signature of This	· .	
Henryk LUBON Residence Address	Signature of Thir	Country of Citizens	
Henryk LUBON	Signature of Thir	· .	
Henryk LUBON Residence Address Rockville, Maryland	Signature of Thin	Country of Citizens	
Henryk LUBON Residence Address Rockville, Maryland Post Office Address	Signature of Thin	Country of Citizens	
Henryk LUBON Residence Address Rockville, Maryland	Signature of Thin	Country of Citizens	
Henryk LUBON Residence Address Rockville, Maryland Post Office Address	Signature of Thin	Country of Citizens	
Henryk LUBON Residence Address Rockville, Maryland Rost Office Address 2416 Monona Terrce, Rockville, Maryland 20855		Country of Citizens Poland	nip
Henryk LUBON Residence Address Rockville, Maryland Post Office Address 7416 Monona Terrce, Rockville, Maryland 20855 Full Name of Fourth Inventor	Signature of Thir	Country of Citizens Poland	
Henryk LUBON Residence Address Rockville, Maryland Post Office Address 2416 Monona Terrce, Rockville, Maryland 20855 Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H.		Country of Citizens Poland	nip
Henryk LUBON Residence Address Rockville, Maryland Post Office Address 7416 Monona Terrce, Rockville, Maryland 20855 Full Name of Fourth Inventor		Country of Citizens Poland	nip
Henryk LUBON Residence Address Rockville, Maryland Post Office Address 2416 Monona Terrce, Rockville, Maryland 20855 Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H.		Country of Citizensl Poland rth Inventor	Date
Residence Address Rockville, Maryland Rost Office Address A16 Monona Terrce, Rockville, Maryland 20855 Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H. JOHNSON (legal representative of the inventor) Residence Address		Country of Citizensl Poland th Inventor Country of Citizensl	Date
Henryk LUBON Residence Address Rockville, Maryland Post Office Address 416 Monona Terrce, Rockville, Maryland 20855 Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H. JOHNSON (legal representative of the inventor)		Country of Citizensl Poland rth Inventor	Date
Residence Address Rockville, Maryland Rost Office Address A16 Monona Terrce, Rockville, Maryland 20855 Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H. JOHNSON (legal representative of the inventor) Residence Address		Country of Citizensl Poland th Inventor Country of Citizensl	Date
Residence Address Rockville, Maryland Rost Office Address Alfo Monona Terrce, Rockville, Maryland 20855 Full Name of Fourth Inventor John L. JOHNSON (deceased), Mary Ann H. JOHNSON (legal representative of the inventor) Residence Address Blacksburg, Virginia	Signature of Four	Country of Citizensl Poland th Inventor Country of Citizensl	Date